

NOVEL POLARIZING FILM

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Abstract of JP6347641

PURPOSE: To provide a polarizing film which decreases leaking light in a diagonal direction when the polarizing film is installed in a crossed Nicols state by specifying the double refractive index and thickness of a base material film to respectively specific values.

CONSTITUTION: A polarizing in which a dichromatic dyestuff is adsorbed and oriented on the polyvinyl alcoholic base material film. The thickness of the base material film is 1 to 20 μ m, more preferably 1 to 13 μ m. The double refractive index of the base material film is ≥ 0.022 , more preferably ≥ 0.025 . Further, the base material film is uniformly dyed with the dichromatic dyestuff in the thickness direction. The polarizer has a single layer structure in the thickness direction. The thickness of the polarizer is 2 to 20 μ m and the degree of polarization is $\geq 99.80\%$. The case where the double refractive index of the base material film is < 0.022 is undesirable as the quantity of the leaking light in the perpendicular direction when the polarizing film is put into the crossed Nicols state attains $\geq 3\%$ even when iodine is adsorbed.

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